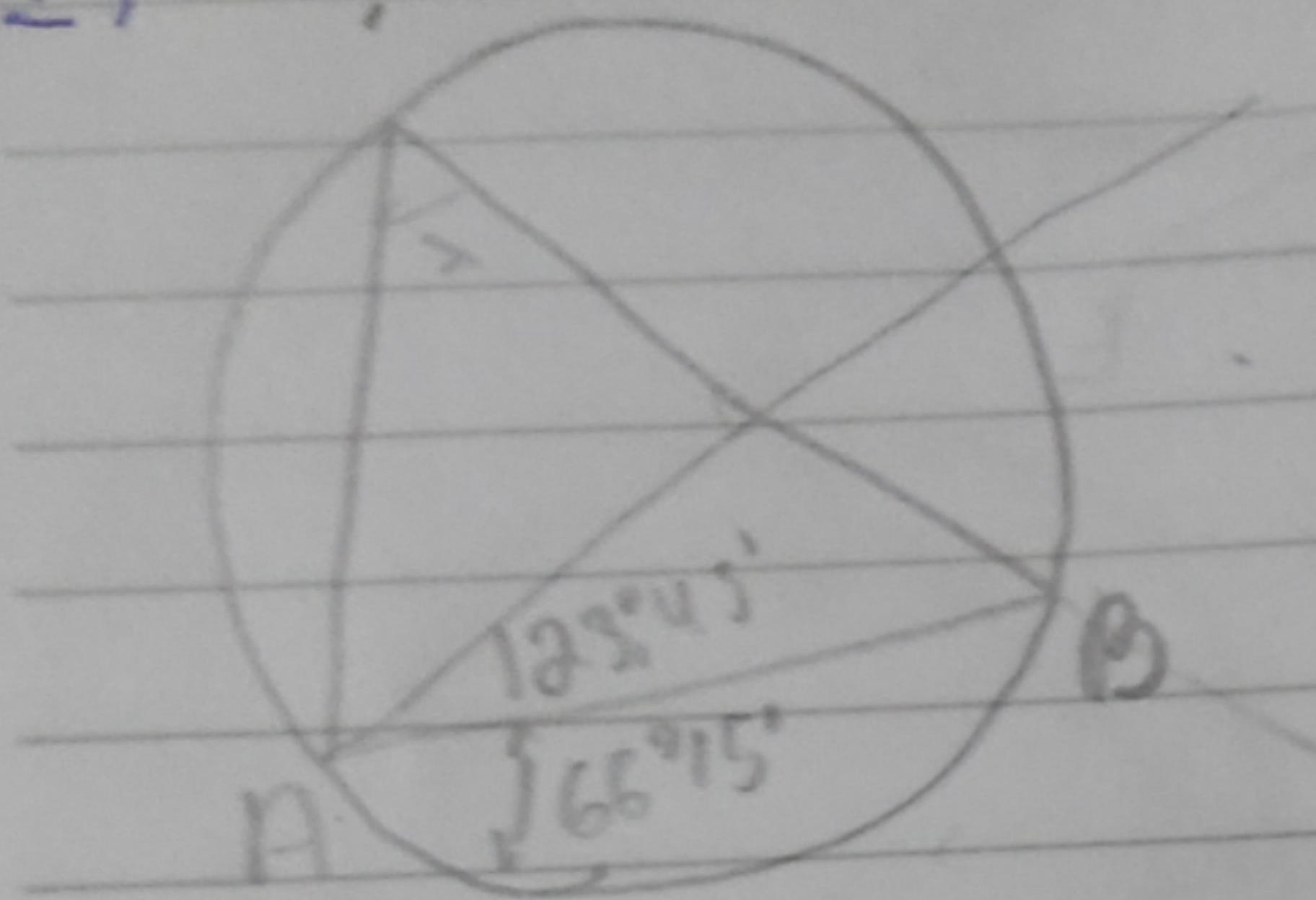


Tarefa de Círcos e Ângulos na circunferência

- Diâmetro $\rightarrow 180^\circ$

1)



$$23^\circ 45'$$

$$23^\circ 45'$$

$$46^\circ 90'$$

$$\rightarrow 60^\circ 30'$$

$$47^\circ 30'$$

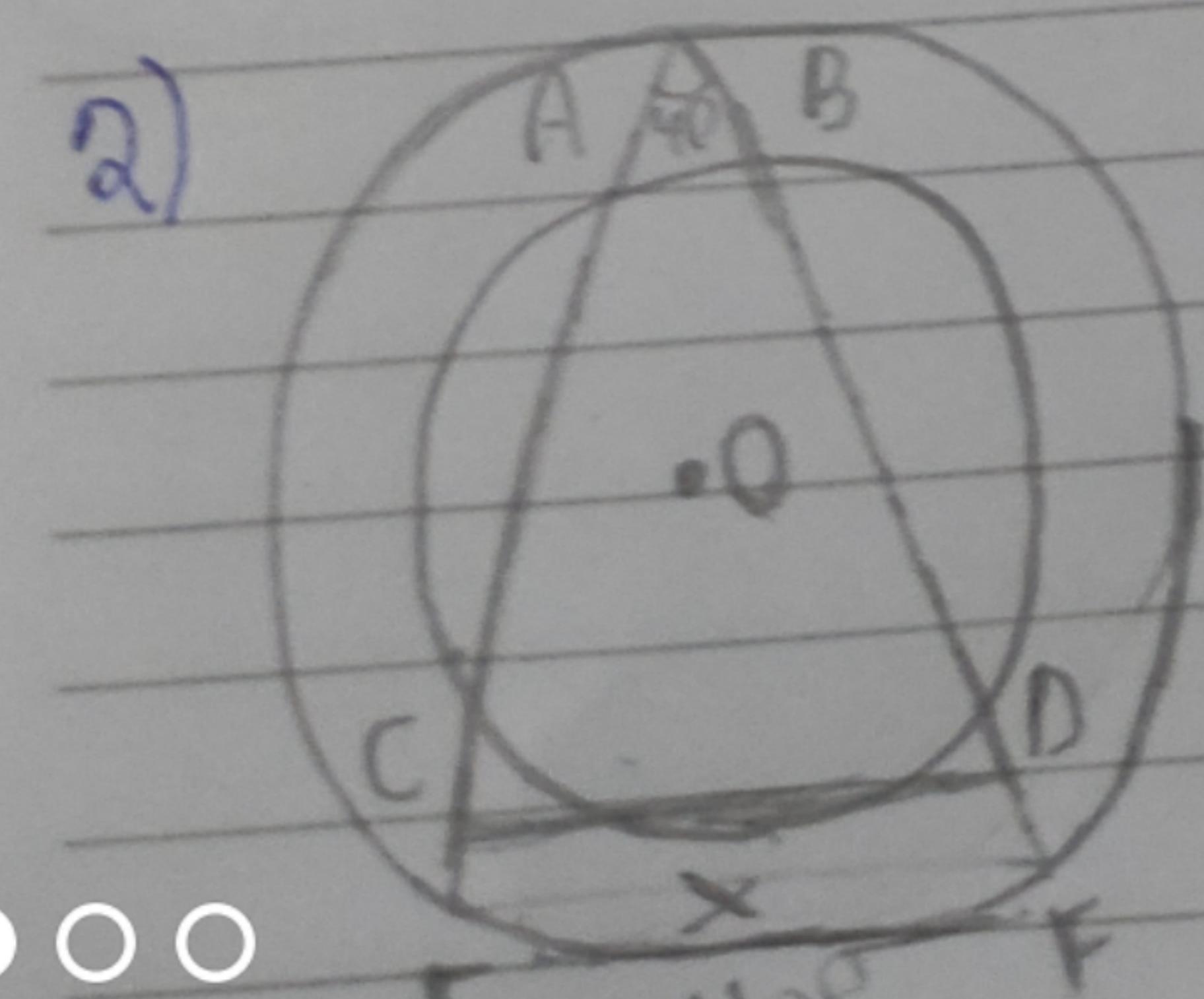
$$\begin{array}{r} 180^\circ 00' \\ - 47^\circ 30' \\ \hline \end{array}$$

$$\begin{array}{r} 179^\circ 60' \\ - 47^\circ 30' \\ \hline 132^\circ 30' \end{array}$$

$$x = \frac{132^\circ 30'}{2} \rightarrow 66^\circ 15'$$

R: E

2)



$$\varepsilon = \hat{CD} - \frac{\hat{AB}}{2}$$

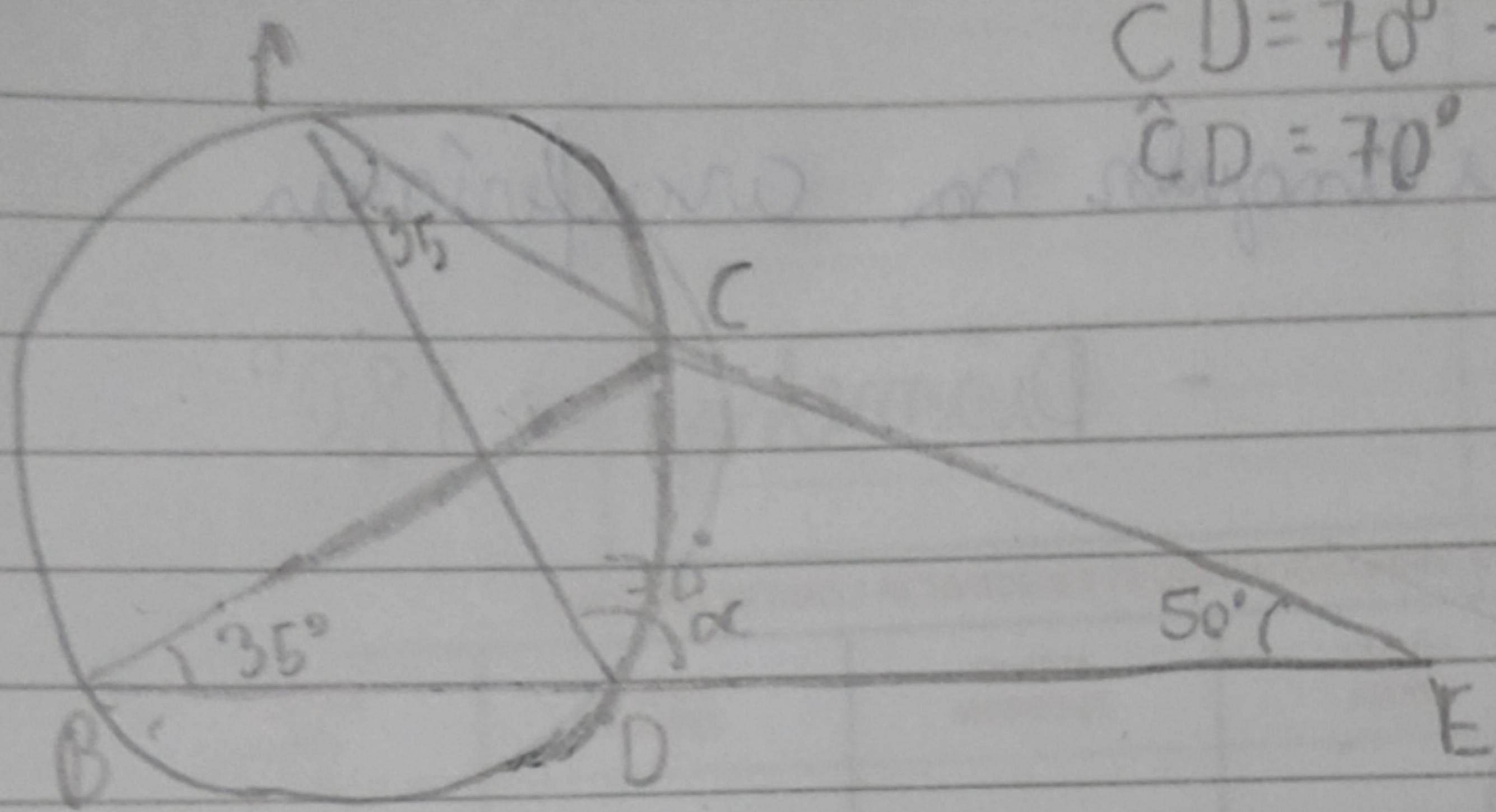
$$20^\circ = x - \frac{40}{2}$$

$$40^\circ = x - 40^\circ$$

$$x = 80^\circ$$

R: E,

3)



$$\hat{C}D = 70^\circ \rightarrow \hat{B} = 35^\circ + 35^\circ$$

$$\hat{C}D = 70^\circ \rightarrow \hat{A} = 30^\circ \alpha \rightarrow 35^\circ$$

$$\Delta ADE = 35^\circ + 50 + \alpha = 180$$

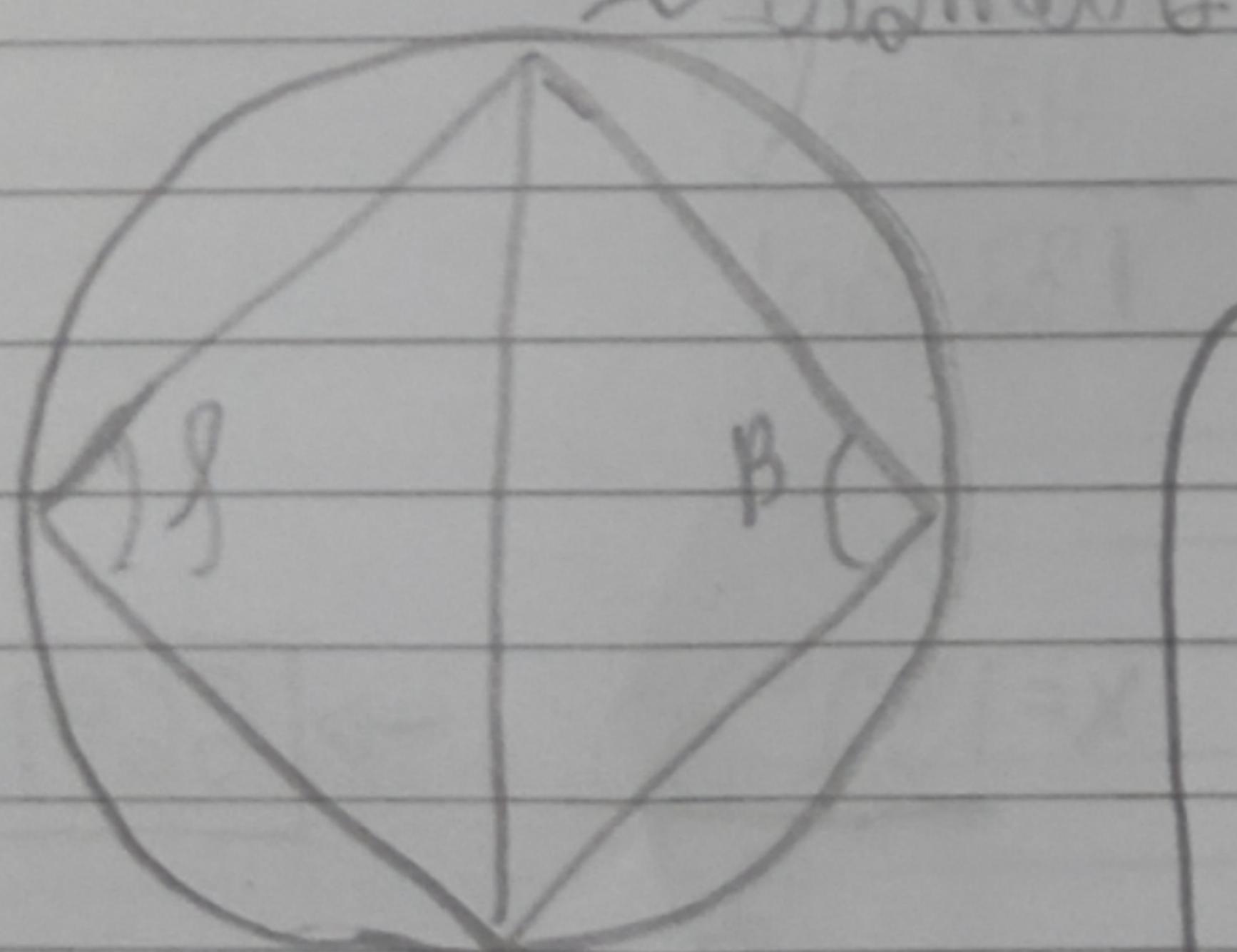
$$85^\circ + 2 = 180$$

R: A

$$\alpha = 180 - 85$$

$$\alpha = 95^\circ$$

4)



$$\alpha = \frac{180^\circ}{2}$$

$$\beta = \frac{180^\circ}{2}$$

$$\alpha = 90^\circ$$

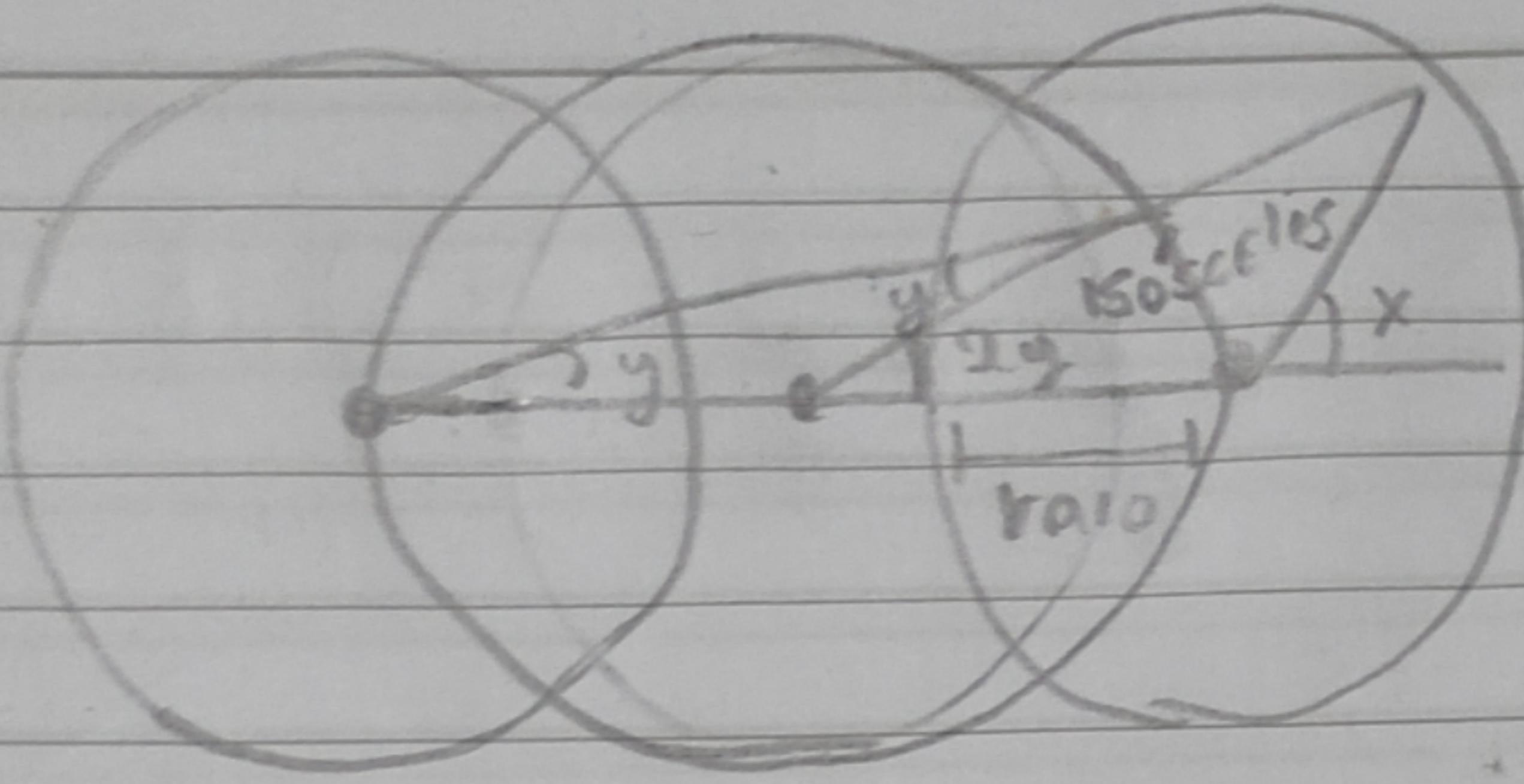
$$\beta = 90^\circ$$

$$\alpha + \beta = 180^\circ$$

$$180^\circ = \pi, \text{ rad}$$

R: C

5)

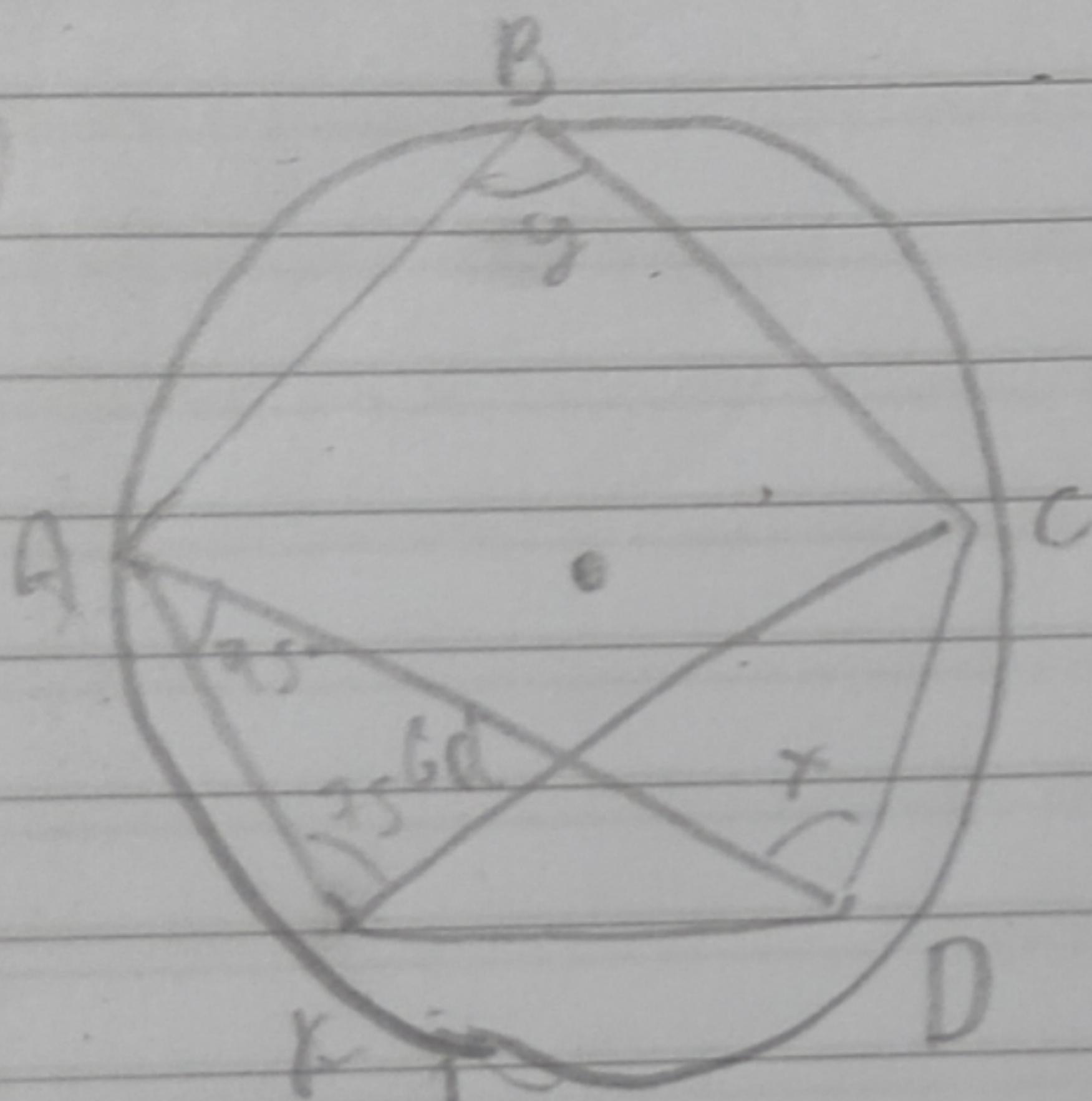


$$x = 4y$$

$$y = \frac{x}{4}$$

||

6)



$$x + y = 180^\circ$$

$$75 + 75 = 150 = 2x$$

$$x = \frac{150}{2}$$

$$x = 75$$

$$\begin{aligned} x + y &= 180 \\ 75 + y &= 180 \end{aligned}$$

$$60 + 45 = 105$$

$$180 - 105 = 75^\circ$$

$$y = 180 - 75 \rightarrow 105^\circ$$

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$$\begin{aligned} y &= 105^\circ \\ x &= 75^\circ \end{aligned}$$